An Apparatus and a Method for Adjusting Fluid Movement in a Variable Displacement Pump BHGL Doubt No. 10541-821 Visteon Case No. 10-0929 Inventors: Brian Stanley Modrzejewski, Shawn Patrick Capser and Steven Thomas Nissen Sheet No. 1 of 6 Sheets

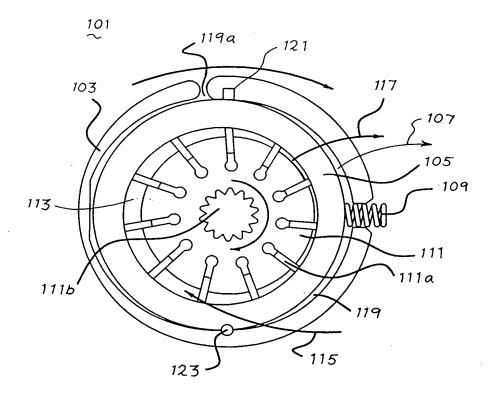
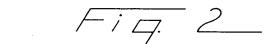
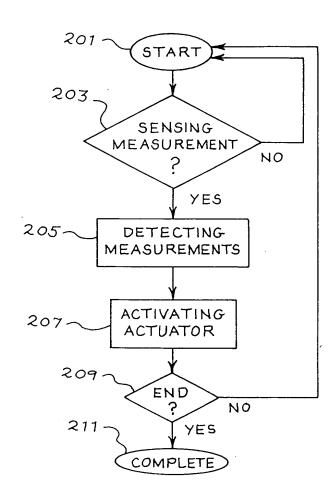
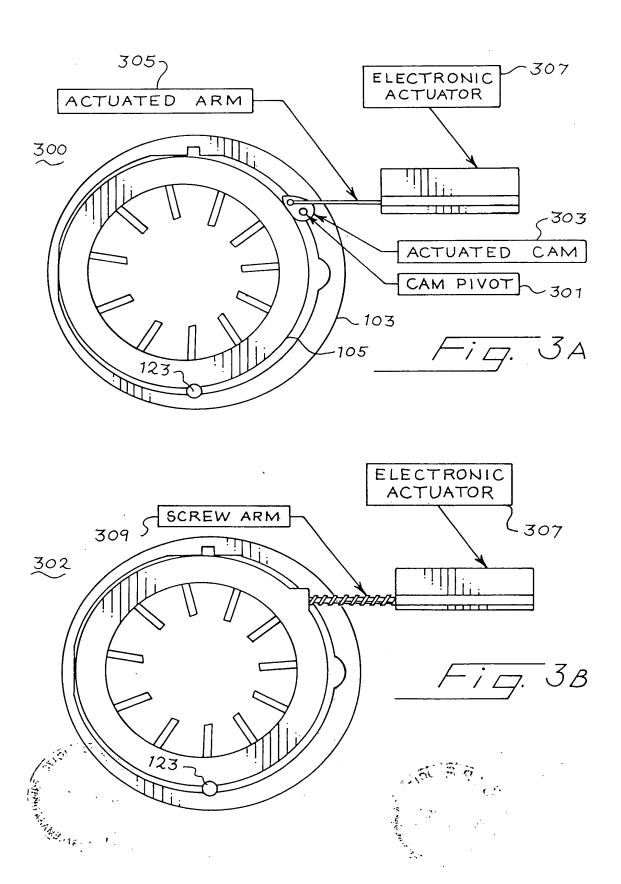
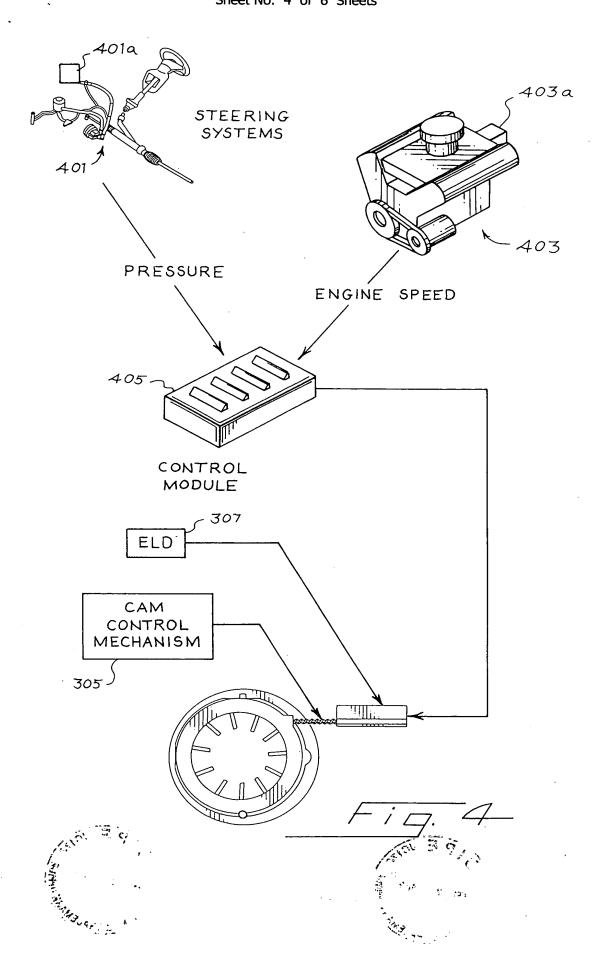


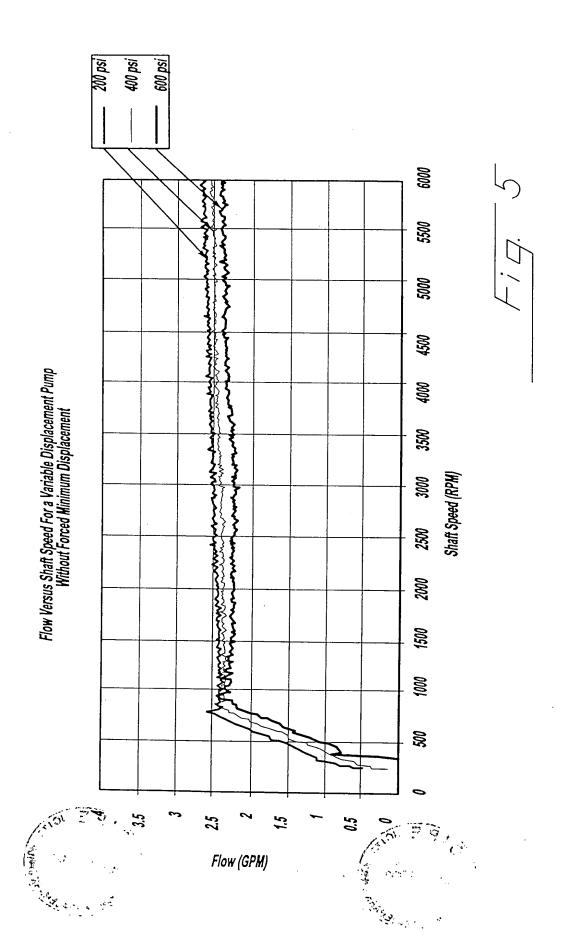
Fig. 1











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9 5500 Flow Versus Shaft Speed With And Without Forced Displacement In New VD Pump With Fixed Displacement Mode **88** 4500 The difference represents the increased efficiency of the pump 3500 3000 Point at which the forced minimum displacement overcomes the 2002 naturally occuring pump 1500 displacement 188 500 2.5 Flow (GPM)